

TrueReach
HDMI™ EXTENDER
4K/60Hz



User Manual
Y10G013-B1

Important safety notice

- 1- Ensure all devices are properly grounded to prevent electric shock.
- 2- Avoid placing the device near radiators, heat registers, or in direct sunlight.
- 3- Position the device in a well-ventilated area and avoid blocking any ventilation openings.
- 4- Protect the device from exposure to rain or water to prevent potential failures, fires, or electric shocks.
- 5- Place the device on a stable, even surface to prevent falls and malfunctions.
- 6- Never insert metallic objects into the open parts of the device to avoid the risk of electric shock.
- 7- When using a third-party power supply, verify that it meets the specified requirements for safety and compatibility.
- 8- Avoid plugging or unplugging Ethernet or HDMI cables while the power is on to prevent potential damage.

Introduction

This TrueReach HDMI Extender HDMI point-to-point extender kit offers zero-latency transmission capabilities. It extends 4K@60Hz HDMI signals up to 60m using CAT6/6A/7 network cables. This kit provides a reliable, ultra-high-definition video transmission solution, making it widely applicable in security monitoring, home theater, broadcasting, training, and various other fields.

Features

- Experience zero-latency transmission for seamless performance.
- Extend 4K@60Hz HDMI signals up to 60m/197ft using Cat6/6A/7 cables.
- Enjoy support for resolutions up to 3840 x 2160@60Hz, with backward compatibility.
- Benefit from HDR10 support for enhanced visual quality.
- Supports EDID passthrough and auto downscaling for optimal signal transmission.
- Equipped with lightning protection, surge protection, and ESD protection for enhanced durability.
- Utilize PoC Network Cable Power Supply, requiring only the TX Power Supply for operation.

Package Contents



Transmitter x1



Receiver x1



DC5V/2A x1

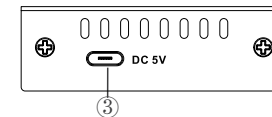
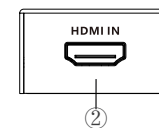
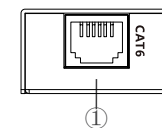


User manual x1

Installation Requirements

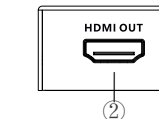
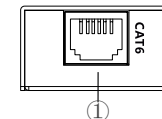
Item	Description	Requirement
Signal source	Devices with HDMI port (PC, DVD, NVR, etc.)	HDMI cable ≤5m
Cable	CAT6/6A/7, following standard IEEE-568B	CAT6/6A/7≤60m
Display device	TVs, projectors, etc. with HDMI port	HDMI cable ≤5m

Panel Description - Transmitter (TX)



① RJ45 output	Connect with CAT6/6A/7 network cable
② HDMI input	Connect with HDMI source device with HDMI cable
③ DC5V	Connect with DC 5V/2A power adapter

Panel Description - Receiver (RX)



① RJ45 input	Connect with CAT6/6A/7 network cable
② HDMI output	Connect with HDMI display device with HDMI cable

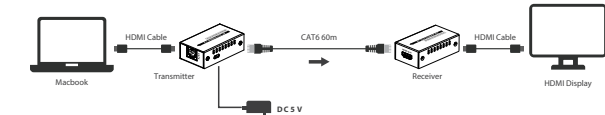
Installation & Connections

1. How to make a network cable, follow the standard of IEEE-568B:

- 1-white and orange
- 2-orange
- 3-white and green
- 4-blue
- 5-white and blue
- 6-green
- 7-white and brown
- 8-brown



2. Connection



3. Connection instruction

- 1- Connect the source device to the HDMI IN port of the transmitter with an HDMI cable, and connect the HDMI OUT port of the receiver to the display device with another HDMI cable.
- 2- Use a Cat6/6A/7 cable to connect the RJ45 port of the transmitter and receiver.
- 3- Plug the power supply into the devices to get started.

Note:

It is recommended to use a network cable within a length range of 2~60m. If the length of the network cable exceeds or falls short of this range, the transmission of video signals may be affected.

FAQ

Note:

- Q: The devices are connected correctly, but why is there no image displayed?
- A: 1) Please make sure the HDMI cable meets the transmission requirements. (e.g. 4K HDMI cable)
- 2) Please check and make sure the network cable is connected well.

- Q: Why does the display occasionally have a black screen??
- A: 1) Check if the length of the cable is within the specified range.
- 2) Reconnect the network cable and HDMI cables.

- Q: Why is the display color abnormal or no sound?
- A: 1) Check if the HDMI cables are connected well.
- 2) Reconnect the network cable.

Technical Parameters

Items	Transmitter	Receiver
Video		
Input interface	1x HDMI	1x RJ45
Output interface	1x RJ45	1x HDMI
HDMI Length	≤5m	≤5m
Maximum transferrate	18Gbps	
Maximum transmission bandwidth	600MHz	
EDID passthrough	Yes	
Compatibility	HDMI 2.0（Deep color,4K,HDR,YUV4:4:4）	
	HDCP 2.2	
Resolutions	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz, 3840x2160@24/25/30/50/60Hz, 4096x2160@24/25Hz, 1280x960, 1280x800, 1280x768, 1680x1050, 1920x1200, 1360x768, 1366x768, 1600x900, 1024x768, 800x600	
Transmission distance	CAT6/6A/7≤60m	
Audio		
Input interface	1x HDMI	N/A
Output interface	N/A	1x HDMI
Audio formats	LPCM/DTS 5.1/Dolby Digital 5.1 CH	
Power		
Power Supply	DC5V/2A	PoC (Powered by TX)
Power Consumption	TX+RX<5W	
Operating Environment		
Working temperature	-20℃~60℃	

Technical Parameters

Storage temperature	-30℃~70℃	
Humidity	0~90%RH（No condensation）	
Physical Properties		
Housing	Metal	
Weight	92g	91g
Color	Black	
Dimensions	67.0(L)* 40.0(W)*23.0(H)mm	
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2	
	Lightning protection, Surge protection	
Certifications	FCC/CE/RoHS2.0	

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